RAW SEQUENCE LISTING DATE: 02/19/2003
PATENT APPLICATION: **US/09/846,348A** TIME: 13:50:37

Input Set : **A:\EP.txt**
Output Set: **N:\CRF4\02192003\I846348A.raw**

```
      3 <110> APPLICANT: Jackowski, George
      5 <120> TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A
MOLECULAR WEIGHT
      6       OF 2267 DALTONS
      8 <130> FILE REFERENCE: 2132.050
     10 <140> CURRENT APPLICATION NUMBER: 09/846,348A
     11 <141> CURRENT FILING DATE: 2001-04-30
     13 <160> NUMBER OF SEQ ID NOS: 1
     15 <170> SOFTWARE: PatentIn version 3.1
     17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 23
     19 <212> TYPE: PRT
     20 <213> ORGANISM: Homo sapiens
     22 <400> SEQUENCE: 1
     24 Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg Ala Gln
     25 1               5                   10                  15
     28 Ala Trp Gly Glu Arg Leu Arg
     29             20
```

VERIFICATION SUMMARY DATE: 02/19/2003
PATENT APPLICATION: US/09/846,348A TIME: 13:50:38

Input Set : A:\EP.txt
Output Set: N:\CRF4\02192003\I846348A.raw

RAW SEQUENCE LISTING DATE: 02/19/2003
PATENT APPLICATION: **US/09/580,156D** TIME: 13:49:25

Input Set : **A:\25812-5CIP.txt**
Output Set: **N:\CRF4\02192003\I580156D.raw**

```
 3 <110> APPLICANT: Lawrence, Sandberg B.
 4       Thomas, Mitts F.
 6 <120> TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
 8 <130> FILE REFERENCE: 25812-5CIP
10 <140> CURRENT APPLICATION NUMBER: 09/580,156D
11 <141> CURRENT FILING DATE: 2000-05-30
13 <150> PRIOR APPLICATION NUMBER: 09/039,308
14 <151> PRIOR FILING DATE: 1998-03-13
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/05496
17 <151> PRIOR FILING DATE: 1999-03-12
19 <160> NUMBER OF SEQ ID NOS: 54
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 3
25 <212> TYPE: PRT
26 <213> ORGANISM: mammalian
28 <400> SEQUENCE: 1
30 Ala Val Gly
31 1
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 4
36 <212> TYPE: PRT
37 <213> ORGANISM: mammalian
39 <400> SEQUENCE: 2
41 Val Gly Ala Gly
42 1
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 3
47 <212> TYPE: PRT
48 <213> ORGANISM: mammalian
50 <400> SEQUENCE: 3
52 Ile Gly Gly
53 1
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 2
58 <212> TYPE: PRT
59 <213> ORGANISM: mammalian
61 <400> SEQUENCE: 4
63 Leu Gly
64 1
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 4
69 <212> TYPE: PRT
```

70 <213> ORGANISM: mammalian
72 <400> SEQUENCE: 5
74 Ile Gly Ala Gly
75 1
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 3
80 <212> TYPE: PRT
81 <213> ORGANISM: mammalian
83 <400> SEQUENCE: 6
85 Leu Gly Gly
86 1
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 4
91 <212> TYPE: PRT
92 <213> ORGANISM: mammalian
94 <400> SEQUENCE: 7
96 Val Ala Pro Gly
97 1
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 4
102 <212> TYPE: PRT
103 <213> ORGANISM: mammalian
105 <400> SEQUENCE: 8
107 Leu Gly Pro Gly
108 1
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 4
113 <212> TYPE: PRT
114 <213> ORGANISM: mammalian
116 <400> SEQUENCE: 9
118 Leu Gly Ala Gly
119 1
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 4
124 <212> TYPE: PRT
125 <213> ORGANISM: mammalian
127 <400> SEQUENCE: 10
129 Val Gly Pro Gly
130 1
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 4
135 <212> TYPE: PRT
136 <213> ORGANISM: mammalian
138 <400> SEQUENCE: 11
140 Phe Gly Pro Gly
141 1
144 <210> SEQ ID NO: 12
145 <211> LENGTH: 4
146 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 02/19/2003
PATENT APPLICATION: US/09/580,156D TIME: 13:49:25

Input Set : A:\25812-5CIP.txt
Output Set: N:\CRF4\02192003\I580156D.raw

147 <213> ORGANISM: mammalian
149 <400> SEQUENCE: 12
151 Val Gly Pro Gln
152 1
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 3
157 <212> TYPE: PRT
158 <213> ORGANISM: mammalian
160 <400> SEQUENCE: 13
162 Leu Gly Ala
163 1
166 <210> SEQ ID NO: 14
167 <211> LENGTH: 4
168 <212> TYPE: PRT
169 <213> ORGANISM: mammalian
171 <400> SEQUENCE: 14
173 Val Gly Pro Ala
174 1
177 <210> SEQ ID NO: 15
178 <211> LENGTH: 4
179 <212> TYPE: PRT
180 <213> ORGANISM: mammalian
182 <400> SEQUENCE: 15
184 Val Val Pro Gly
185 1
188 <210> SEQ ID NO: 16
189 <211> LENGTH: 4
190 <212> TYPE: PRT
191 <213> ORGANISM: mammalian
193 <400> SEQUENCE: 16
195 Ala Val Pro Gly
196 1
199 <210> SEQ ID NO: 17
200 <211> LENGTH: 4
201 <212> TYPE: PRT
202 <213> ORGANISM: mammalian
204 <400> SEQUENCE: 17
206 Val Val Pro Gln
207 1
210 <210> SEQ ID NO: 18
211 <211> LENGTH: 6
212 <212> TYPE: PRT
213 <213> ORGANISM: mammalian
215 <400> SEQUENCE: 18
217 Val Ala Ala Arg Pro Gly
218 1 5
221 <210> SEQ ID NO: 19
222 <211> LENGTH: 7
223 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 02/19/2003
PATENT APPLICATION: US/09/580,156D TIME: 13:49:25

Input Set : A:\25812-5CIP.txt
Output Set: N:\CRF4\02192003\I580156D.raw

224 <213> ORGANISM: mammalian
226 <400> SEQUENCE: 19
228 Leu Gly Ala Gly Gly Ala Gly
229 1 5
232 <210> SEQ ID NO: 20
233 <211> LENGTH: 4
234 <212> TYPE: PRT
235 <213> ORGANISM: mammalian
237 <400> SEQUENCE: 20
239 Ala Ile Pro Gly
240 1
243 <210> SEQ ID NO: 21
244 <211> LENGTH: 5
245 <212> TYPE: PRT
246 <213> ORGANISM: mammalian
248 <400> SEQUENCE: 21
250 Leu Gly Pro Gly Gly
251 1 5
254 <210> SEQ ID NO: 22
255 <211> LENGTH: 5
256 <212> TYPE: PRT
257 <213> ORGANISM: mammalian
259 <400> SEQUENCE: 22
261 Ala Ala Ala Gln Ala
262 1 5
265 <210> SEQ ID NO: 23
266 <211> LENGTH: 5
267 <212> TYPE: PRT
268 <213> ORGANISM: mammalian
270 <220> FEATURE:
271 <221> NAME/KEY: MISC_FEATURE
272 <222> LOCATION: (4)..(4)
273 <223> OTHER INFORMATION: Xaa, position 4, is hydroyxproline
276 <220> FEATURE:
277 <221> NAME/KEY: MISC_FEATURE
278 <222> LOCATION: (4)..(4)
279 <223> OTHER INFORMATION: Xaa, position 4, is hydroxyproline
282 <400> SEQUENCE: 23
W--> **284 Val Gly Val Xaa Gly**
285 1 5
288 <210> SEQ ID NO: 24
289 <211> LENGTH: 5
290 <212> TYPE: PRT
291 <213> ORGANISM: mammalian
293 <400> SEQUENCE: 24
295 Val Tyr Pro Gly Gly
296 1 5
299 <210> SEQ ID NO: 25
300 <211> LENGTH: 6

RAW SEQUENCE LISTING DATE: 02/19/2003
PATENT APPLICATION: US/09/580,156D TIME: 13:49:25

Input Set : A:\25812-5CIP.txt
Output Set: N:\CRF4\02192003\I580156D.raw

```
301 <212> TYPE: PRT
302 <213> ORGANISM: mammalian
304 <400> SEQUENCE: 25
306 Ile Gly Gly Val Gly Gly
307 1               5
310 <210> SEQ ID NO: 26
311 <211> LENGTH: 6
312 <212> TYPE: PRT
313 <213> ORGANISM: mammalian
315 <400> SEQUENCE: 26
317 Val Ala Pro Gly Val Gly
318 1               5
321 <210> SEQ ID NO: 27
322 <211> LENGTH: 5
323 <212> TYPE: PRT
324 <213> ORGANISM: mammalian
326 <400> SEQUENCE: 27
328 Leu Gly Val Gly Gly
329 1               5
332 <210> SEQ ID NO: 28
333 <211> LENGTH: 4
334 <212> TYPE: PRT
335 <213> ORGANISM: mammalian
337 <400> SEQUENCE: 28
339 Leu Val Pro Gly
340 1
343 <210> SEQ ID NO: 29
344 <211> LENGTH: 5
345 <212> TYPE: PRT
346 <213> ORGANISM: mammalian
348 <400> SEQUENCE: 29
350 Phe Arg Ala Ala Ala
351 1               5
354 <210> SEQ ID NO: 30
355 <211> LENGTH: 6
356 <212> TYPE: PRT
357 <213> ORGANISM: mammalian
359 <400> SEQUENCE: 30
361 Val Gly Gly Val Pro Gly
362 1               5
365 <210> SEQ ID NO: 31
366 <211> LENGTH: 5
367 <212> TYPE: PRT
368 <213> ORGANISM: mammalian
370 <400> SEQUENCE: 31
372 Phe Gly Pro Gly Gly
373 1               5
376 <210> SEQ ID NO: 32
377 <211> LENGTH: 5
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/19/2003
PATENT APPLICATION: US/09/580,156D TIME: 13:49:26

Input Set : A:\25812-5CIP.txt
Output Set: N:\CRF4\02192003\I580156D.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:23; Xaa Pos. 4
Seq#:34; Xaa Pos. 4

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:42,43,44,45,46,47,48,49,50,51,52,53,54